

# FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

IWR for State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

## COMPLETION DATA:

Date Well Completed

OW

WW

TA

GW

OS

PA

Location Inspected

Bond released

State of Fee Land

## LOGS FILED

Driller's Log

Electric Logs (No.)

E

I

E-I

GR

GR-N

Micro

Lat

Mi-L

Sonic

Others

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Gulf Oil Corporation

## 3. ADDRESS OF OPERATOR

P. O. Box 1971, Casper, Wyoming 82602

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

SE NW SE 1893' NSL, 1557' WEL

At proposed prod. zone

263' W

Unorthodox

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. line, if any)

1557'

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.Approximately  
5850'

## 16. NO. OF ACRES IN LEASE

2560

## 19. PROPOSED DEPTH

5700'

## 17. NO. OF ACRES ASSIGNED

TO THIS WELL

640

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

Ungraded ground 5646'

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8" OB	48#	200'	Cement to surface
12-1/4"	8-5/8" OB	24#	2000'	Cement to surface
7-7/8"	4-1/2" OB	9.5#	6000'	150 sacks

It is proposed to drill a well to test the Dakota formation to an approximate depth of 5700'. All possible producing horizons will be adequately tested or evaluated by means of coring, drill stem tests or electric logs.

Due to topography, this is an off-pattern location. ✓

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

*Resta R. Fournier*

TITLE

Area Production Manager

DATE

November 18, 1963

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

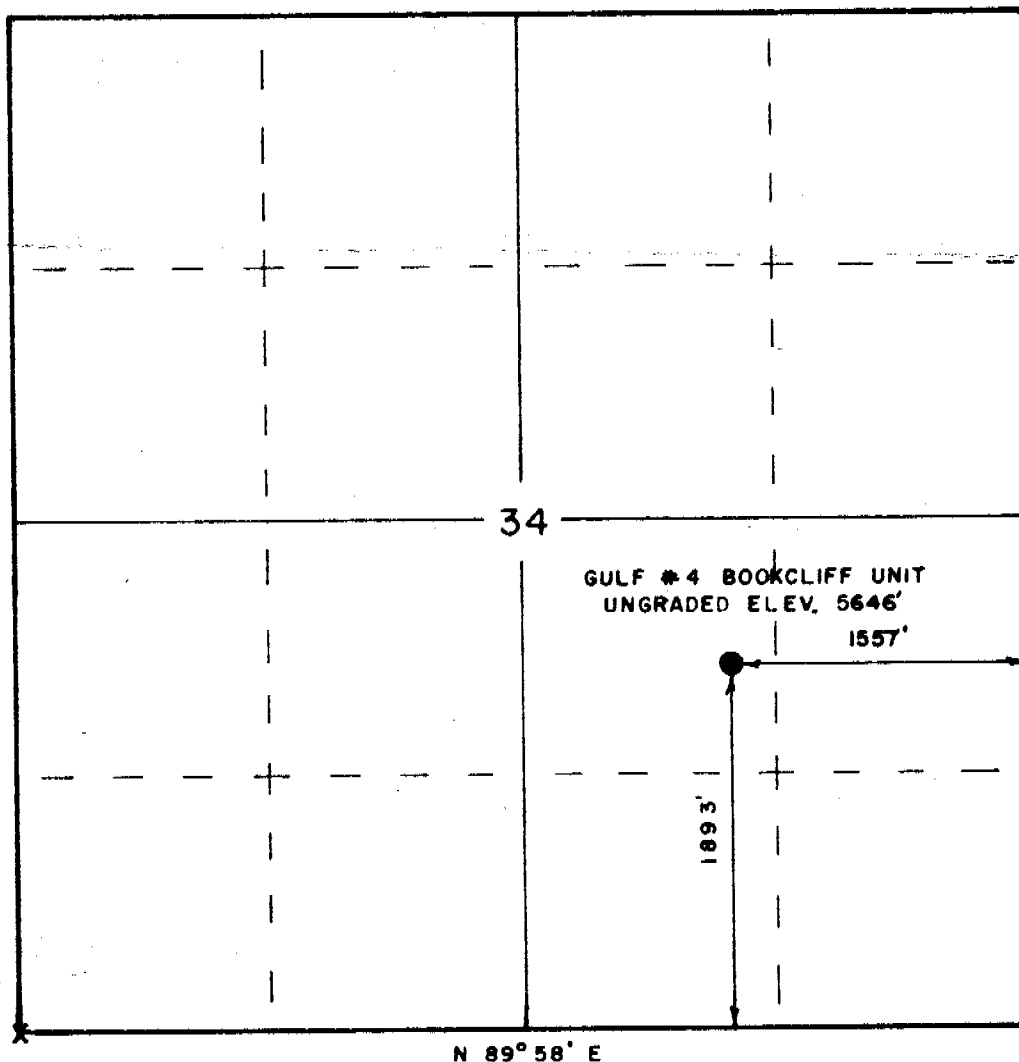
DATE

CONDITIONS OF APPROVAL, IF ANY:

cc: Utah O&G Cons. Comm. (2) ✓  
Texaco, w/plat (1)  
Jack Hanson (1)  
Great Yellowstone (1)  
Humble Oil & Refg. (1)

\*See Instructions On Reverse Side

# SEC. 34, T18S, R22E

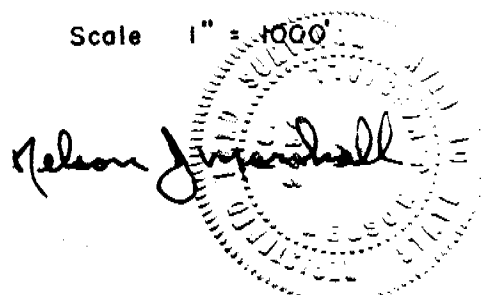


X = Corners Located (Brass Caps)

Elev. based on reported elev. of  
Bookcliff Unit # 2.

Scale 1" = 1000'

By: Ross Construction Co.  
Vernal, Utah



PARTY G. Stewart  
L. Taylor  
  
WEATHER FAIR

**SURVEY**  
GULF OIL CORP. WELL LOCATION, LOCATED AS  
SHOWN IN THE NW 1/4, SE 1/4, SECTION 34,  
T 18S, R 22 E, SLB & M, GRAND CO., UTAH

DATE 11 Nov. '63  
REFERENCES GLO Plot  
T18S, R22E  
FILE GULF OIL CORP

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN THIS MANNER  
(Other instructions on reverse side)Form approved,  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Federal U-036905

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Book Cliffs

8. FARM OR LEASE NAME

Book Cliffs Unit-Federal

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Book Cliffs

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

34 - 185-22E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)1. ☐ OIL  
WELL ☐ GAS  
WELL ☒ OTHER

2. NAME OF OPERATOR

Gulf Oil Corporation

3. ADDRESS OF OPERATOR

P. O. Box 1971, Casper, Wyoming 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

SE NW SE

1893' NSL, 1557' WEL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

Ungraded ground 5646'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☒CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any  
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent  
to this work.)\*

Confirming D. E. Fickinger to D. F. Russell, Salt Lake City, Utah, December 21, 1963.

The well was drilled to a total depth of 5436' without encountering commercial production. The 155' of 13-3/8" OD surface casing was set at 167' with 125 sacks cement. The 1430' of 8-5/8" OD intermediate casing was set at 1442' with 357 sacks cement.

It is proposed to plug and abandon as follows:

50 sack cement plug 5150' to 5250'

50 sack cement plug 1425' to 1525'

10 sack cement plug in top of surface pipe

Marker to be erected.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Area Engineer

DATE

1-2-64

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

cc: Utah OSG Cons. Comm. (2)  
Texaco Inc. (1)  
Jack Hanson (1)

\*See Instructions on Reverse Side

Great Yellowstone (1)  
Humble Oil & Refng. (1)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

Federal U-030905

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Book Cliffs

8. FARM OR LEASE NAME

Book Cliffs Unit-Federal

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Book Cliffs

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

34 - 18S-22E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other \_\_\_\_\_b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Gulf Oil Corporation

3. ADDRESS OF OPERATOR

P. O. Box 1971, Casper, Wyoming 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 1893' NSL, 1557' WEL (SE NW SE)

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED 12-5-63 16. DATE T.D. REACHED 12-20-63 17. DATE COMPL. (Ready to prod.) 12-21-63 (P&amp;A) 18. ELEVATIONS (DF, R&amp;B, RT, GR, ETC.)\* 5655' KB 19. ELEV. CASINGHEAD 5344'

20. TOTAL DEPTH, MD 5436' 21. PLUG, BACK T.D., MD &amp; TVD - 22. IF MULTIPLE COMPL., HOW MANY\* - 23. INTERVALS DRILLED BY Rotary 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* NONE 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Sonic Log, Induction-Electrical Log

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8" OD	48#	167'	17-1/4"	125 sacks	
8-5/8" OD	24#	1442'	12-1/4"	472 sacks	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
NONE						NONE	

31. PERFORATION RECORD (Interval, size and number)

NONE

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	NONE

33.\* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
DRY HOLE		-				P & A 12-21-63	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Sonic Log (2) Induction-Electrical log (2)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED \_\_\_\_\_ TITLE Area Production Manager DATE January 13, 1964

\*(See Instructions and Spaces for Additional Data on Reverse Side)

cc: Utah O&G Cons. Comm. (2) Great Yellowstone (1) Jack Hanson (1)  
Texaco Inc. (1) Humble Oil (1) Union Texas Petr. Div.

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

## 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Cretaceous Castlegate Morrison	1377'	1420'	Sandstone, very fine grain (W)	Castlegate Mancos Shale Dakota Silt Morrison	1377'	
	5186'	5205'	Sandstone, fine grained (W)		1420' 4802' 5000'	

JAN 15 1964

January 15, 1964

Gulf Oil Corporation  
P. O. Box 1971  
Gasper, Wyoming

Re: Well No. Book Cliffs Unit-Federal #4  
Sec. 34, T. 18 S., R. 22 E.,  
Grand County, Utah

Gentlemen:

We are in receipt of your well log for the above mentioned well. However, upon checking this information, we notice that you did not report the water sands encountered while drilling.

Please complete the enclosed Forms OGCC-8-X, and return to this office as soon as possible.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLARELLA N. PECK  
RECORDS CLERK

cnp

Enclosure

*TP* *cc: 1 LPO 2 HW* *V JMD*

# Gulf Oil Corporation

CASPER PRODUCTION AREA

L. W. LeFavour  
AREA PRODUCTION MANAGER  
B. W. Miller  
AREA EXPLORATION MANAGER

P. O. Box 1971  
Casper, Wyo. 82602

January 17, 1964

Utah Oil & Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City 11, Utah

Re: Form OGCC-8-X  
Book Cliffs Unit No. 4  
Section 34-18S-22E  
Grand County, Utah

Gentlemen:

Per your letter of January 15, 1964, please  
find attached two (2) copies of the above subject report.

Very truly yours,

*R. O. Charles*  
R. O. Charles

sjn

Attachments





STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION  
310 NEWHOUSE BUILDING  
SALT LAKE CITY 11, UTAH

### REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Book Cliffs Unit-Federal No. 4

Operator Gulf Oil Corporation Address P. O. Box 1971  
Casper, Wyoming Phone 235-5783

Contractor Arapahoe Drilling Company Address Grand Junction, Phone \_\_\_\_\_  
Colorado

Location: NW $\frac{1}{4}$  SE $\frac{1}{4}$  Sec. 34 T. 18 <sup>XX</sup> R. 22 <sup>E</sup>  
S WX Grand County, Utah.

Water Sands:

	<u>Depth</u>	<u>Volume</u>	<u>Quality</u>
	<u>From</u>	<u>To</u>	<u>Flow Rate or Head</u>
			<u>Fresh or Salty</u>
1.	1377'	1390'	Unknown
2.	5185'	5205'	Unknown
3.			
4.			
5.			

(Continued on reverse side if necessary)

**Formation Tops:**

**Remarks:**

**NOTE:** (a) Upon diminishing supply of forms, please inform the Commission  
(b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure. (See back of form)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42 R1424.

5. LEASE DESIGNATION AND SERIAL NO.

**Federal U-036905**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

**Book Cliffs**

8. FARM OR LEASE NAME

**Book Cliffs Unit-Federal**

9. WELL NO.

**4**

10. FIELD AND POOL, OR WILDCAT

**Book Cliffs**

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

**34-18S-22E**

12. COUNTY OR PARISH

**Grand**

13. STATE

**Utah**

1. OIL ☐ GAS ☒  
WELL WELL OTHER

2. NAME OF OPERATOR

**Gulf Oil Corporation**

3. ADDRESS OF OPERATOR

**P. O. Box 1971, Casper, Wyoming 82602**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

**SE NW SE  
1893' NSL, 1557' WEL**

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

**Ungraded ground 5646'**

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☒

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**The well was drilled to a total depth of 5436' without encountering commercial production.**

**The well was plugged and abandoned as follows:**

**50 sack cement plug 5150' to 5250'  
50 sack cement plug 1425' to 1525'  
10 sack cement plug in top of surface pipe**

**Marker was erected.**

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE **Area Production Manager**

DATE **February 17, 1964**

(This space for Federal or State office use)

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

cc: Utah O&G Cons. Comm. (2)  
Texaco Inc. (1)  
Jack Hanson (1)

\*See Instructions on Reverse Side

Great Yellowstone (1)  
Humble Oil & Refng. (1)